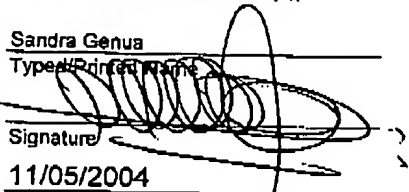


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|  |   |                   |
|--|---|-------------------|
| DATE: 11/05/2004   |   |                   |
| TO: COMMISSIONER FOR PATENTS, U.S. PATENT & TRADEMARK OFFICE   |   |                   |
| FAX NO: (703) 746-4060 (MISSING PARTS)   |   |                   |
| NO. OF PAGES: Cover + //   |   |                   |
| <b>CERTIFICATE OF FACSIMILE TRANSMISSION</b><br>I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.<br><br>Sandra Genua<br>Type/Printed Name<br><br>Signature<br>11/05/2004<br>Date | APPLICATION NO.   | 10/788,656        |
|  | FILING DATE   | February 27, 2004 |
|  | FIRST NAMED INVENTOR  | Yingjian CHEN     |
|  | ART UNIT  | 2652              |
|  | CONFIRMATION NO.  | 7261              |
|  | EXAMINER  | Unknown           |
| ATTORNEY DOCKET NO.  |   | K35R1897          |
| TITLE  | GMR SENSOR WITH SHALLOW CONTIGUOUS JUNCTION AND BIAS LAYERS ALIGNED WITH FREE SENSOR LAYERS |                   |

#### ATTACHED WITH THIS SUBMISSION:

1. Transmittal Form (1 page)
2. Fee Transmittal Form (1 page)
3. Notice to File Missing Parts of Nonprovisional Application (2 pages)
4. Declaration(s) (3 pages)
5. Power(s) of Attorney (3 pages)
6. Petition for Extension of Time Under 37 CFR 1.136(a)

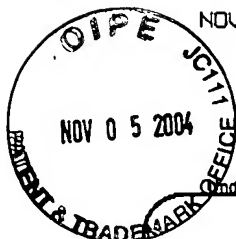
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PTO/SB/21 (02-04)

Approved for use through 07/31/2006. OMB 0551-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number

10/788,658

Filing Date

February 27, 2004

First Named Inventor

Yingjian CHEN

Art Unit

2652

Examiner Name

Unknown

Attorney Docket Number

K35R1897

**ENCLOSURES (Check all that apply)**

|   |   |   |
|---|---|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form                                | <input type="checkbox"/> Drawing(s)   | <input type="checkbox"/> After Allowance communication to Technology Center (TC)        |
| <input type="checkbox"/> Fee Attached   | <input type="checkbox"/> Licensing-related Papers                               | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences     |
| <input type="checkbox"/> Amendment/Reply  | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final  | <input type="checkbox"/> Petition to Convert to a Provisional Application       | <input type="checkbox"/> Proprietary Information  |
| <input type="checkbox"/> Affidavits/declaration(s)                                      | <input type="checkbox"/> Power of Attorney, Revocation                          | <input type="checkbox"/> Status Letter  |
| <input checked="" type="checkbox"/> Extension of Time Request                           | <input type="checkbox"/> Change of Correspondence Address                       | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):         |
| <input type="checkbox"/> Express Abandonment Request                                    | <input type="checkbox"/> Terminal Disclaimer                                    | SEE "REMARKS" SECTION BELOW:  |
| <input type="checkbox"/> Information Disclosure Statement                               | <input type="checkbox"/> Request for Refund                                     |   |
| <input type="checkbox"/> Certified Copy of Priority Document(s)                         | <input type="checkbox"/> CD, Number of CD(s) _____                              |   |
| <input checked="" type="checkbox"/> Response to Missing Parts/Incomplete Application    | <b>Remarks</b>  |   |
| <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | 1. Copy of Notice to File Missing Parts of Nonprovisional Application (2 pages) |   |
|   | 2. Declarations (3 pages)   |   |
|   | 3. Powers of Attorney (3 pages)   |   |

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

|                         |                                       |
|-------------------------|---------------------------------------|
| Firm or Individual name | Milad G. Shara, Esq., Reg. No. 39,367 |
| Signature               |                                       |
| Date                    | 11/05/2004                            |

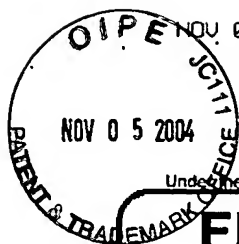
**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

|                       |              |
|-----------------------|--------------|
| Typed or printed name | Sandra Genua |
| Signature             |              |
| Date                  | 11/05/2004   |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 422 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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NOV 05 '04 15:57 FR WD LEGAL IPD

949 672 6604 TO 917037464060

P.04/12

PTO/SB/17 (10-04v2)

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**FEE TRANSMITTAL**  
**for FY 2005**

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$)**1,660.00****Complete if Known**

|                      |                   |
|----------------------|-------------------|
| Application Number   | 10/788,656        |
| Filing Date          | February 27, 2004 |
| First Named Inventor | Yingjian CHEN     |
| Examiner Name        | Unknown           |
| Art Unit             | 2652              |
| Attorney Docket No.  | K35R1897          |

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit  
Account  
Number  
Deposit  
Account  
Name

23-1209

WESTERN DIGITAL

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity<br>Fee Code (\$) | Small Entity<br>Fee Code (\$) | Fee Description        | Fee Paid |
|-------------------------------|-------------------------------|------------------------|----------|
| 1001 790                      | 2001 395                      | Utility filing fee     |          |
| 1002 350                      | 2002 175                      | Design filing fee      |          |
| 1003 550                      | 2003 275                      | Plant filing fee       |          |
| 1004 790                      | 2004 395                      | Reissue filing fee     |          |
| 1005 160                      | 2005 80                       | Provisional filing fee |          |
| <b>SUBTOTAL (1)</b> (\$)      |                               |                        |          |

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

| Total Claims              | Extra Claims | Fee from below | Fee Paid |
|---------------------------|--------------|----------------|----------|
| Independent Claims        | -20** =      | 18             |          |
| Multiple Dependent Claims | -3** =       | 88             |          |

| Large Entity<br>Fee Code (\$) | Small Entity<br>Fee Code (\$) | Fee Description  |
|-------------------------------|-------------------------------|--|
| 1202 18                       | 2202 9                        | Claims in excess of 20                                     |
| 1201 88                       | 2201 44                       | Independent claims in excess of 3                          |
| 1203 300                      | 2203 150                      | Multiple dependent claim, if not paid                      |
| 1204 88                       | 2204 44                       | ** Reissue independent claims over original patent         |
| 1205 18                       | 2205 9                        | ** Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2)** (\$)

\*\*or number previously paid, if greater. For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Entity<br>Fee Code (\$) | Small Entity<br>Fee Code (\$) | Fee Description  | Fee Paid |
|-------------------------------|-------------------------------|--|----------|
| 1051 130                      | 2051 65                       | Surcharge - late filing fee or oath  | 130.00   |
| 1052 50                       | 2052 25                       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053 130                      | 1053 130                      | Non-English specification  |          |
| 1812 2,520                    | 1812 2,520                    | For filing a request for <i>ex parte</i> reexamination                     |          |
| 1804 920*                     | 1804 920*                     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805 1,840*                   | 1805 1,840*                   | Requesting publication of SIR after Examiner action                        |          |
| 1251 110                      | 2251 65                       | Extension for reply within first month                                     |          |
| 1252 430                      | 2252 215                      | Extension for reply within second month                                    |          |
| 1253 980                      | 2253 490                      | Extension for reply within third month                                     |          |
| 1254 1,530                    | 2254 765                      | Extension for reply within fourth month                                    | 1,530.00 |
| 1255 2,080                    | 2255 1,040                    | Extension for reply within fifth month                                     |          |
| 1401 340                      | 2401 170                      | Notice of Appeal   |          |
| 1402 340                      | 2402 170                      | Filing a brief in support of an appeal                                     |          |
| 1403 300                      | 2403 150                      | Request for oral hearing   |          |
| 1451 1,510                    | 1451 1,510                    | Petition to institute a public use proceeding                              |          |
| 1452 110                      | 2452 55                       | Petition to revive - unavoidable   |          |
| 1453 1,370                    | 2453 685                      | Petition to revive - unintentional   |          |
| 1501 1,370                    | 2501 685                      | Utility issue fee (or reissue)   |          |
| 1502 490                      | 2502 245                      | Design issue fee   |          |
| 1503 660                      | 2503 330                      | Plant issue fee  |          |
| 1460 130                      | 1460 130                      | Petitions to the Commissioner  |          |
| 1807 50                       | 1807 50                       | Processing fee under 37 CFR 1.17(q)  |          |
| 1808 180                      | 1808 180                      | Submission of Information Disclosure Stmt                                  |          |
| 8021 40                       | 8021 40                       | Recording each patent assignment per property (times number of properties) |          |
| 1809 790                      | 2809 395                      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810 790                      | 2810 395                      | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1801 790                      | 2801 395                      | Request for Continued Examination (RCE)                                    |          |
| 1802 900                      | 900                           | Request for expedited examination of a design application                  |          |

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$)**1,660.00****SUBMITTED BY**

|                   |                      |                                   |            |           |                |
|-------------------|----------------------|-----------------------------------|------------|-----------|----------------|
| Name (Print/Type) | Milad G. Shafa, Esq. | Registration No. (Attorney/Agent) | 39,367     | Telephone | (949) 672-7814 |
| Signature         |                      | Date                              | 11/05/2004 |           |                |

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| APPLICATION NUMBER | FILING OR 371 (c) DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|------------------------|-----------------------|------------------------|
| 10/788,656         | 02/27/2004             | Yingjian Chen         | K35R1897               |

38214  
WESTERN DIGITAL TECHNOLOGIES, INC.  
20611 LAKE FOREST DR. - C205  
LAKE FOREST, CA 92630

CONFIRMATION NO. 7261

## FORMALITIES LETTER



\*OC000000012737706\*

COPY

Date Mailed: 05/21/2004



## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The signature of the following inventor(s) is missing from the oath or declaration:  
*Mohamad T. Krounbi, Satoru Araki & Jinqiu Zhang*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$130** for a Large Entity


- **\$130** Late oath or declaration Surcharge.

Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

11/09/2004 AWONDAF1 00000022 231209 10788656

01 FC:1051 130.00 DA

  
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Initial Patent Examination Division (703) 308-1202

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